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| Form PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO. 511.33114CC6 | APPLICATION NO. TBD |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT HAGIWARA, et al. | |
| | | FILING DATE November 17, 2003 | EXPECTED GROUP 1752 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
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| JSC | AA 4,243,743 | 1-6-81 | Hiramoto, et al. | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation | |
|------------------|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| JSC | AM 3-36861 | 6-3-91 | Japan | | | | |
| JSC | AN 718696A2 | 6-26-96 | Europe | | | | |
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| JSC | AP 624826A1 | 11-17-94 | Europe | | | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| JSC | AU | The Society of Polymer Science, Japan, Polymer Preprints, Japan. Vol. 41, No. 1 (1992). | | | | |
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| JSC | AW | The Society of Polymer Science, Japan, Polymer Preprints, Japan. Vol. 42, No. 2 (1993). | | | | |
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| Examiner JSC | | | | Date Considered 7/2006 | | |